

1B 11-109

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The Honorable Julius Genachowski
Chairman
U.S. Federal Communications Commission
445 12th Street, SW
Washington, D.C. 20554

Received & Inspected

JUL 18 2011

FCC Mail Room

Subject: **IB Docket Number 11-109.** FCC File No. SAT-Mod-20101118-00239, LightSquared
Subsidiary LLC (LightSquared) Request for Modification of its Authority for an Ancillary Terrestrial
Component

Dear Chairman Genachowski:

I am an airline pilot flying freight for DHL. I am also interested in starting a UAS operation in the NAS. Both businesses rely on accurate low altitude GPS signals. The GPS system must be protected for all users. It is unfortunate they US government sold frequency that should have been reserved for GPS users. Damages should be paid to LightSquared for lost business and this spectrum must be protected from damage. Please over protect the GPS frequency spectrum needed for GPS operations.

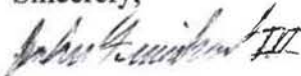
As a member of the unmanned systems community, I am deeply concerned about a current waiver request from LightSquared to operate high-powered terrestrial transmitters on a radio frequency adjacent to the weak satellite-based Global Positioning System (GPS). Independent studies show that LightSquared's terrestrial operations could completely knockout GPS receivers for miles around each transmitter.

Before the Federal Communications Commission grants LightSquared waiver to build tens of thousands of high-powered terrestrial transmitters and use a radio frequency adjacent to GPS, more research and studies must be done.

As you know, all around the world, unmanned systems (air, ground, and maritime) rely on accurate, dependable GPS signals. The lack of a reliable GPS signal poses a serious threat to our public safety and national defense, and the potential expense of retrofitting or replacing affected GPS receivers would truly be an undue burden.

I ask that you take careful consideration of the potential harm LightSquared's proposed plan would have on the emerging field of unmanned systems, not to mention all other users of GPS. Thank you for the opportunity to submit comments for the official record.

Sincerely,



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